Simplicity®

Parts Manual

5022

Single Stage Snowthrowers

Attachment

Mfg. No.	Description
1695090	5022E, 22" Single Stage Snow Thrower (2006)
1695091	5022EX, 22" Single Stage Snow Thrower (2006)

Part No.: 1733702
Rev. 11/2007
TP 400-4411-01-SW-S

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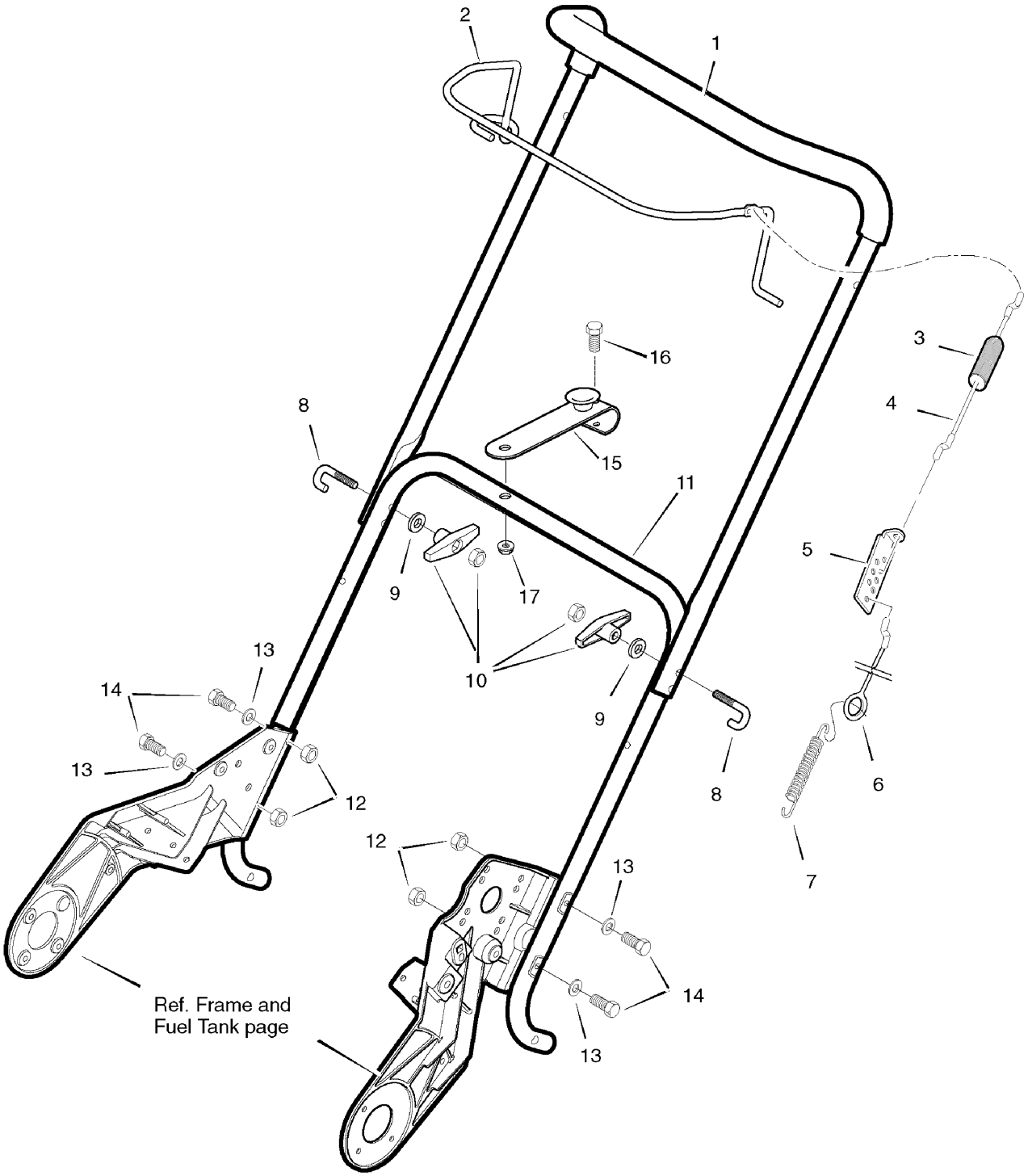
Electric Starter Group 20
Torque Specification Chart ..... Inside Back Cover

Handle Assembly Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

0011



The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Handle Assembly Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1502001MA		HANDLE & GRIP ASSEMBLY
2	1501861E701MA		CONTROL, Bail
3	308146MA		BOOT, Clutch Spring
4	1502042MA		CABLE, Upper Control
5	313441MA		BRACKET, Control Adjust
6	313448MA		CABLE, Lower Control
7	313471MA		SPRING, Extension 3/4 O.D. x .069
8	1501877MA		U-BOLT
9	311936MA		WASHER, Form 11/32 I.D. 1.0
10	57171MA		T-KNOB, 3.00 Plastic Black
11	1501860E701MA		HANDLE, Lower
12	73826MA		NUT 1/4-20 Hex Control Lock
13	71067MA		Washer, 9/32 x 5/8 x .065
14	313674MA		SCREW, 1/4-20 x 1.25
15	1733377ASM		BRACKET, Chute Handle Assembly
16	1740344MA		BOLT, Hex Head 1/4-20 x 1.50
17	1740345E701MA		NUT, 1/4-20 Hex Head Nylock

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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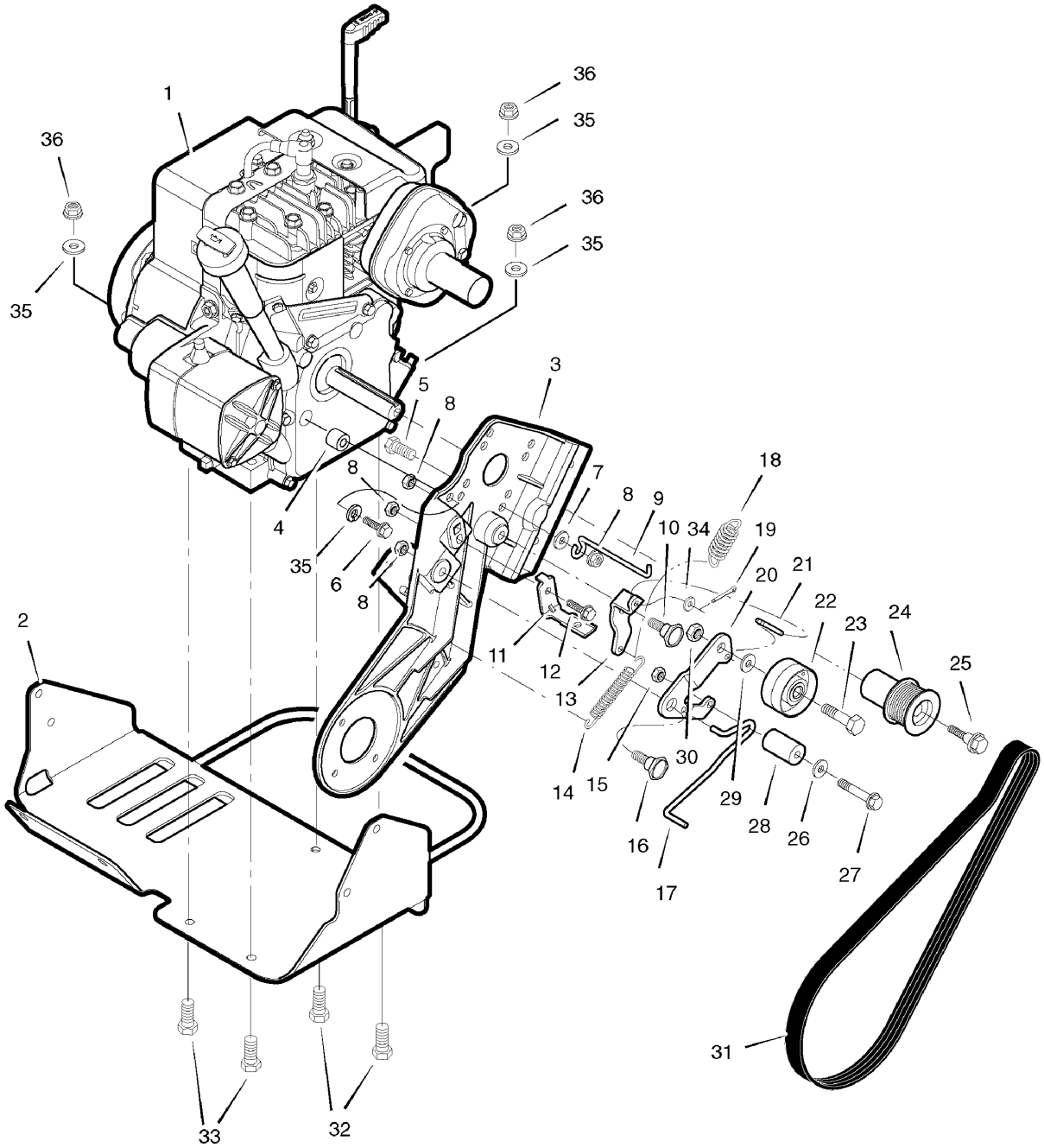
Engine Drive Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

0003



The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Engine Drive Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	-----		* ENGINE, 5HP 4CY B&S (Model # 09A4130202E1)
1	-----		* ENGINE, 5HP 4CY B&S (Model # 09A4130203E1)
2	1501849E701MA		CRADLE ASSEMBLY, Engine
3	1501872MA		FRAME, L.H.
4	1502027MA		ANTIVIBRATION MOUNT, Engine
5	1X216MA		BOLT, Hex 5/16-18 x 0865
6	6X118MA		BOLT, Hex 5/16-24 x 1.125
7	71071MA		WASHER, Flat
8	71391MA		LOCKNUT, Hex Center 5/16-18
9	334079MA		GUIDE, Belt
10	333594MA		BOLT, Hex Head Shank 5/16-1/2 x 11/64
11	333970MA		PAD, Brake
12	579052MA		SCREW, 1/4-20 x 5/8
13	313444MA		IDLER, Arm Pivot
14	313473MA		SPRING, Extension .38 O.D. x .039W
15	73826MA		NUT, Hex 1/4-20
16	333594MA		BOLT, Hex Head Shank 5/16-1/2 x 11/64
17	1501009MA		WIRE, Brake
18	313471MA		SPRING, Extension 3/4 O.D. X .069
19	121223MA		PIN, Cotter
20	320077MA		ARM, Idler
21	313436MA		ROD, Clutch Linkage
22	48924MA		PULLEY, Idler
23	302637MA		SCREW, 3/8-16 x 1.50
24	1501908MA		PULLEY, Model 9 Engine
25	1501907MA		BOLT, Engine Pulley
26	71067MA		WASHER, Flat 9/32 x 5/8 x .065
27	180044MA		SCREW, 1/4-20 x 2.00
28	1501010MA		PINCH ROLLER
29	301188MA		WASHER, Flat
30	590MA		NUT, Hex Head 3/8-16 Control Lock
31	37X130MA		BELT, Drive
32	1X81MA		BOLT, Hex 5/16-18
33	47792MA		SCREW 3/8-16 x 1.00
34	414106MA		WASHER, Flat
35	71060MA		LOCKWASHER, Split
36	71037MA		NUT, 5/16-18
--	1740284		INSTRUCTION BOOK

Footnotes

Note * For information on Replacement Parts contact the engine manufacturer.

The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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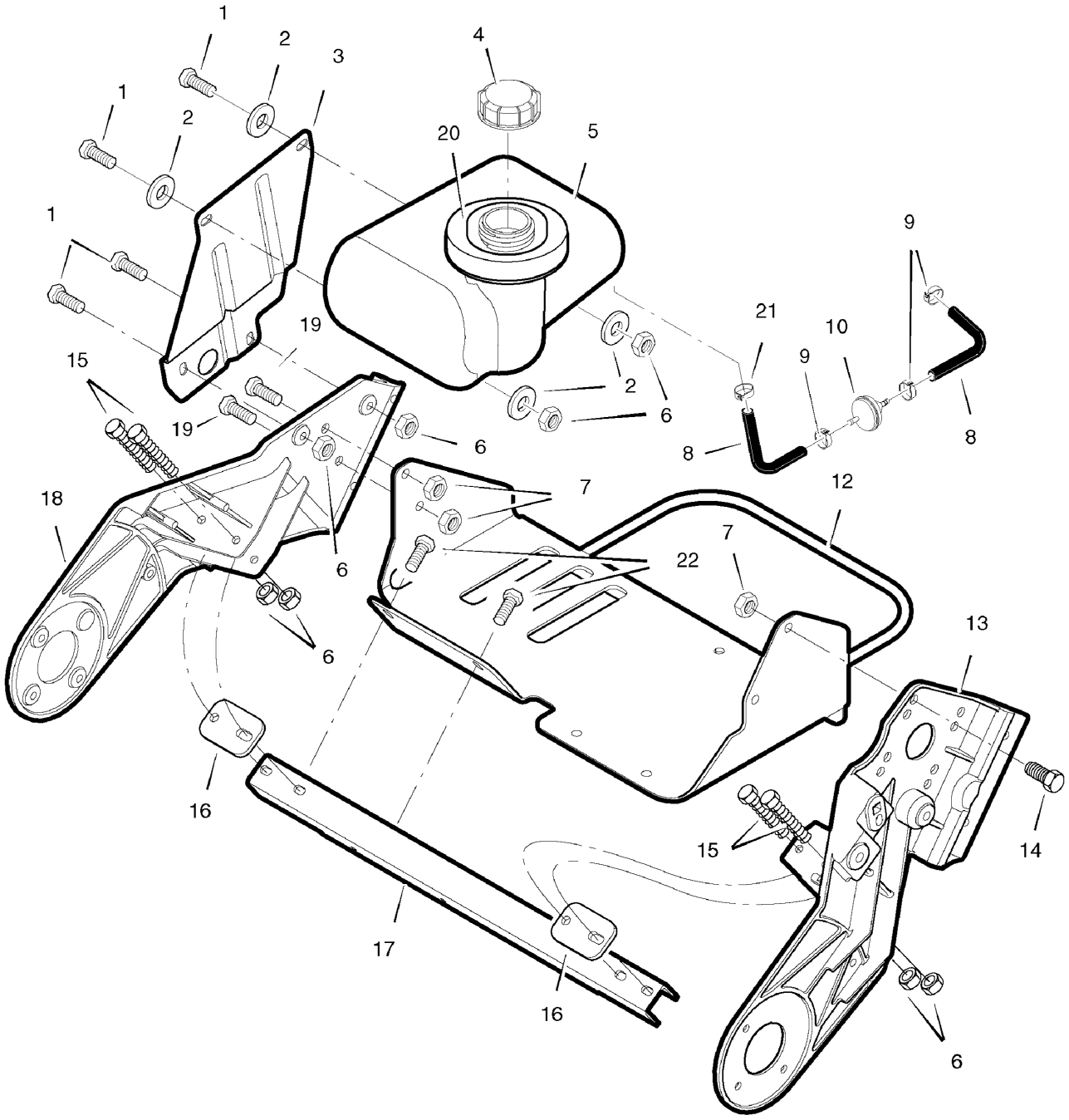
Frame and Fuel Tank Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

0005



The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Frame and Fuel Tank Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	302628MA		SCREW 1/4-20 x .3/4
2	71067MA		WASHER FLAT 9/32 x 5/8 x .065
3	1740031E701MA		BRACKET, Fuel Tank
4	1715917SM		CAP, Fuel Tank
5	1716634MA		TANK, Fuel
6	73826MA		NUT, Hex 1/4-20
7	71391MA		NUT, Hex 5/16-18
8	1502028MA		TUBING, Fuel Line
9	323387MA		CLAMP, Fuel Line
10	1501729MA		FILTER, Fuel Line
12	1501849E701MA		CRADLE ASSEMBLY, Engine
13	1501872MA		FRAME, L.H.
14	48901MA		SCREW, 5/16-18 x 1/16
15	180044MA		SCREW, 1/4-20 x 2.00
16	335351MA		PLATE, Mounting Support
17	1501851MA		SUPPORT, Frame
18	1501871E701MA		FRAME, R.H.
19	180077MA		SCREW, 5/16-18 x 3/4
20	1740032MA		RING, Foam
21	47345MA		CLAMP, Fuel Line, Screw Type
22	310169MA		SCREW, 1/4-20 x 5/8

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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Auger and Housing Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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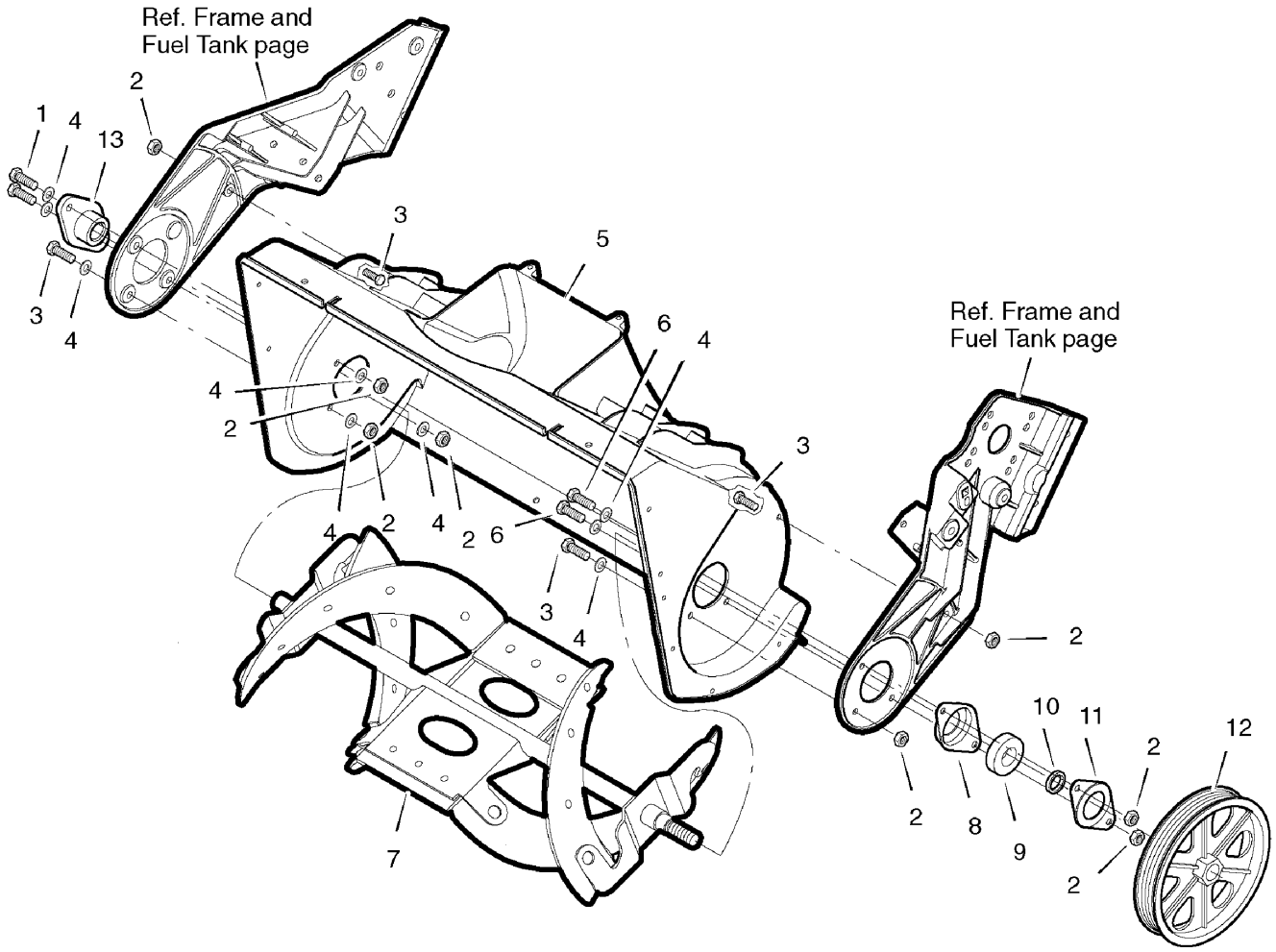

The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Auger and Housing Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	710263MA		SCREW, 1/4-20 x 1.00
2	73826MA		NUT, Hex 1/4-20
3	302628MA		SCREW, 1/4-20 x .75
4	71067MA		WASHER FLAT 9/32 x 5/8 x 1/16
5	1740348MA		HOUSING ASSEMBLY, Auger
6	579052MA		SCREW, 1/4-20 x 5/8
7	1740380MA		AUGER ASSEMBLY, 22"
8	580251MA		RETAINER, Bearing
9	43846MA		BEARING, Ball
10	578101MA		SLEEVE, Spacer
11	334287MA		PLATE, Bearing Retainer
12	333446MA		PULLEY, Auger Drive V6
13	577023MA		BEARING, Flange

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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Wheel Assembly Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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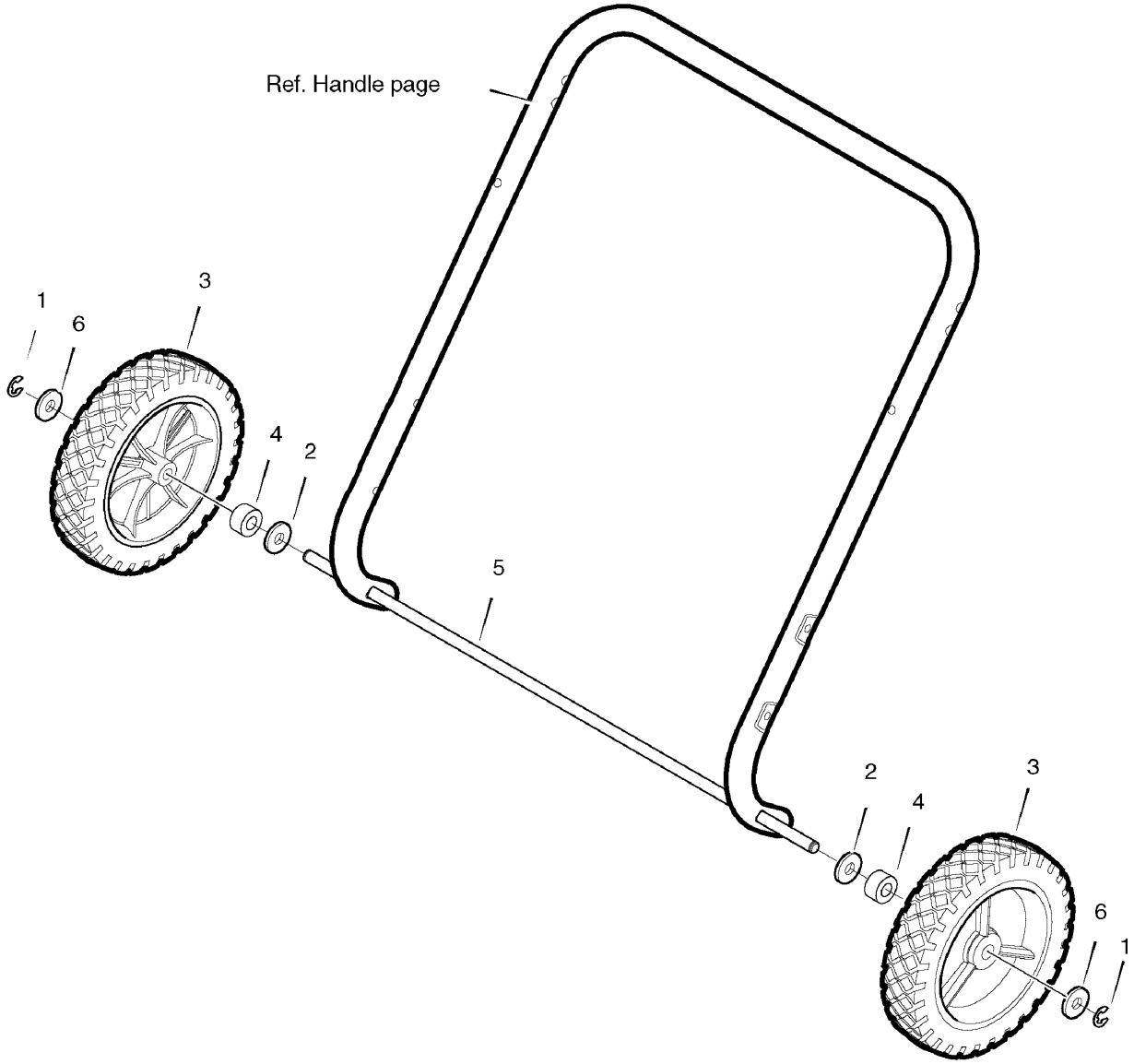

The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Wheel Assembly Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	577598MA		RETAINER, E-Ring
2	71072MA		WASHER, Flat 13-32 x 13/16
3	760713MA		WHEEL AND TIRE 7" x 1.50"
4	309656MA		SPACER, Sleeve 13/32 x 5/8
5	1501879MA		ROD, Axle, Single Stage, 22"
6	583409MA		WASHER, Flat 25/64 x 1.00 x 1/8

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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Decals Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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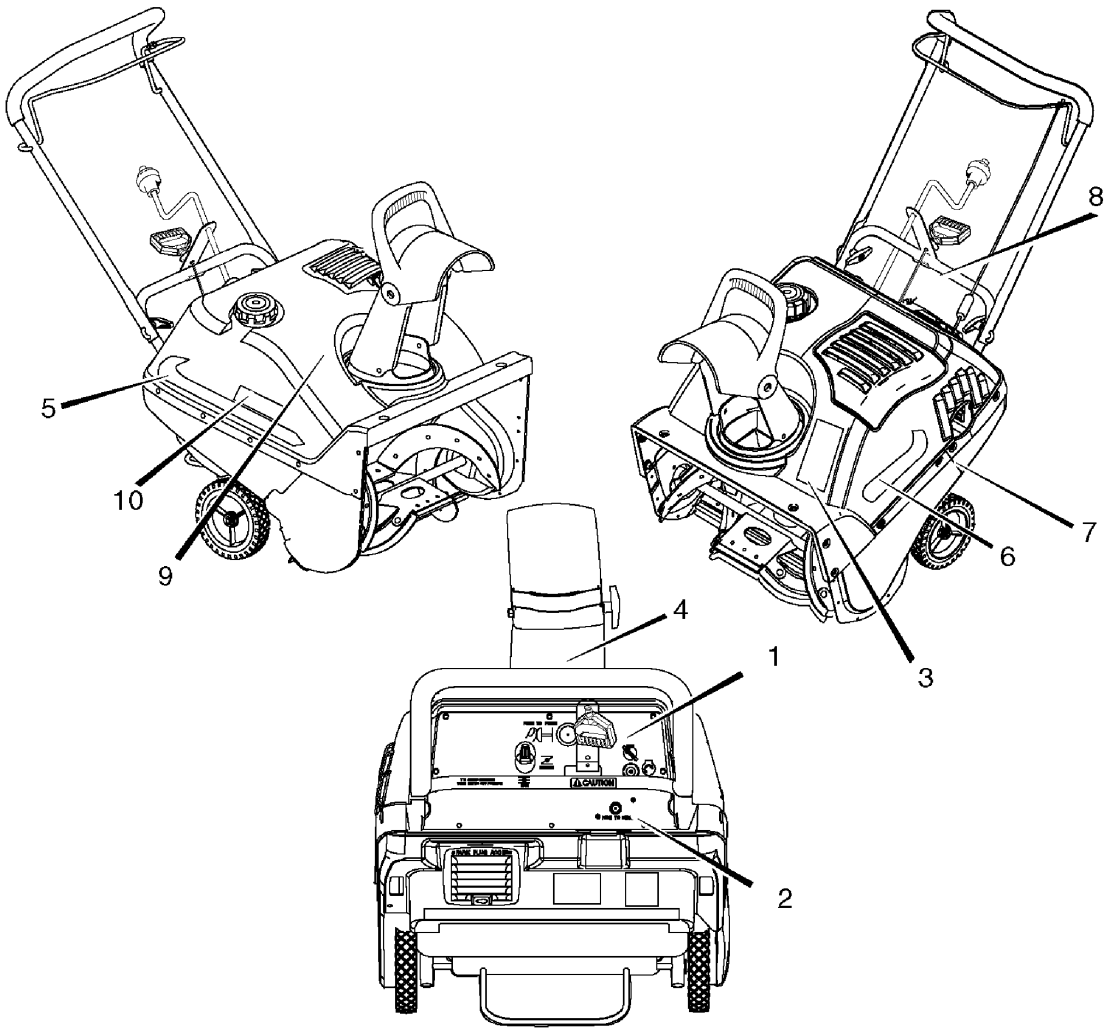

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1695090 - 5022E
1695091 - 5022EX

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Decals Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1740033MA		DECAL, Control Panel English 22"
2	48X5638MA		DECAL, Electric Start
3	70141MA		DECAL, Danger Auger
4	48x5642MA		DECAL, Danger Chute
5	1740061MA		DECAL, Simplicity R.H.
6	1740062MA		DECAL, Simplicity L.H.
7	69880MA		DECAL, Hot Muffler
8	761150MA		DECAL, Auger Control
9	48x5702MA		DECAL, Briggs & Stratton (Located on Engine)
10	1740365MA		DECAL, 5022 R.H.
--	-----		MANUAL, Instruction Book
--	-----		MANUAL, Parts List

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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Body Covering Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

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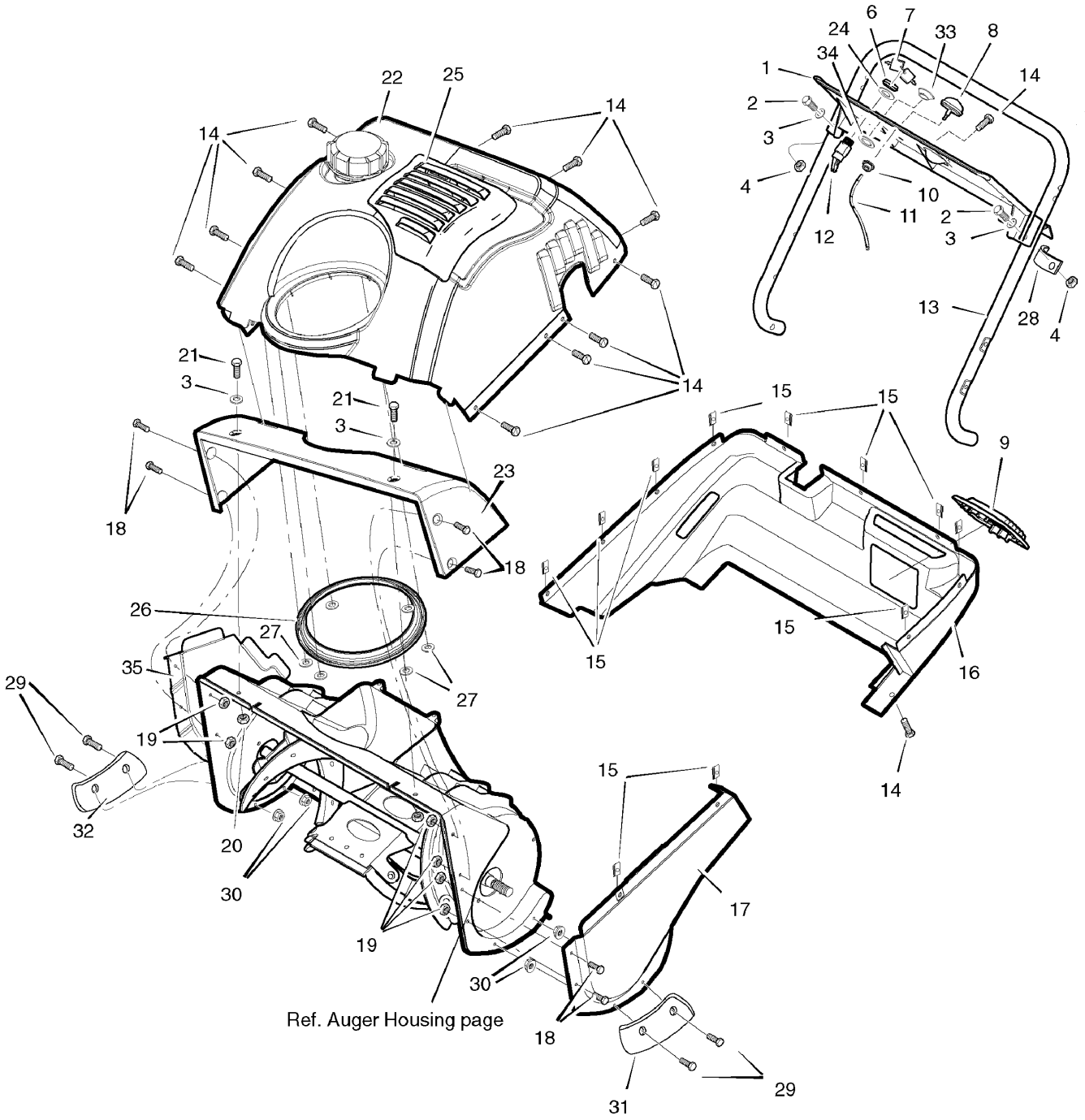

The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E

1695091 - 5022EX

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Body Covering Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	1740006MA		PANEL, Control 22" SS DLR
2	313674MA		SCREW, 1/4-20 x 1.25
3	71067MA		WASHER, Flat 9/32 x 5/8 x .065
4	73826MA		NUT, 1/4-20
6	300193MA		NUT, 5/8-32
7	49643MA		KEYS & RING, Starter
8	1501723MA		BULB, Fuel Primer
9	1501878MA		PANEL, Access 22" SS DLR
10	271172MA		NUT, Keps 1/4-20
11	335507MA		HOSE, Primer 9.5"
12	56992MA		SWITCH, Ignition
13	1501860E701MA		HANDLE, Lower
14	313685MA		SCREW 1/4-14 x 3/4
15	578109MA		J-NUT 1/4-10
16	1740004MA		COVER, Bottom 22" SS DLR
17	1740005MA		COVER, Belt 22" SS DLR
18	12342MA		SCREW 10-24 x 1/2
19	312300MA		LOCKNUT, Hex 10-24 Regular Center Lock
20	15X143MA		LOCKNUT, Hex 1/4-20
21	1740383MA		SCREW 1/4-20 x 5/8
22	1740058MA		COVER, Top 22" SS DLR
23	1740007MA		COVER, Auger Top 22" SS DLR
24	313683MA		WASHER, Interlock 41/64 x 1.1
25	1740002MA		COVER, Access Oil
26	1740020MA		GASKET, Chute Ring
27	28X85MA		NUT, Push
28	583435MA		CLIP, Cable
29	1740381MA		SCREW 10-32 x 3/4
30	1740382MA		NUT 10-32 Nylock
31	1740397MA		SHOE, Skid L.H.
32	1740398MA		SHOE, Skid R.H.
33	1502074MA		ROPE GROMMET
34	1502075MA		ROPE GROMMET, Washer
35	1740071MA		COVER, Auger R.H.

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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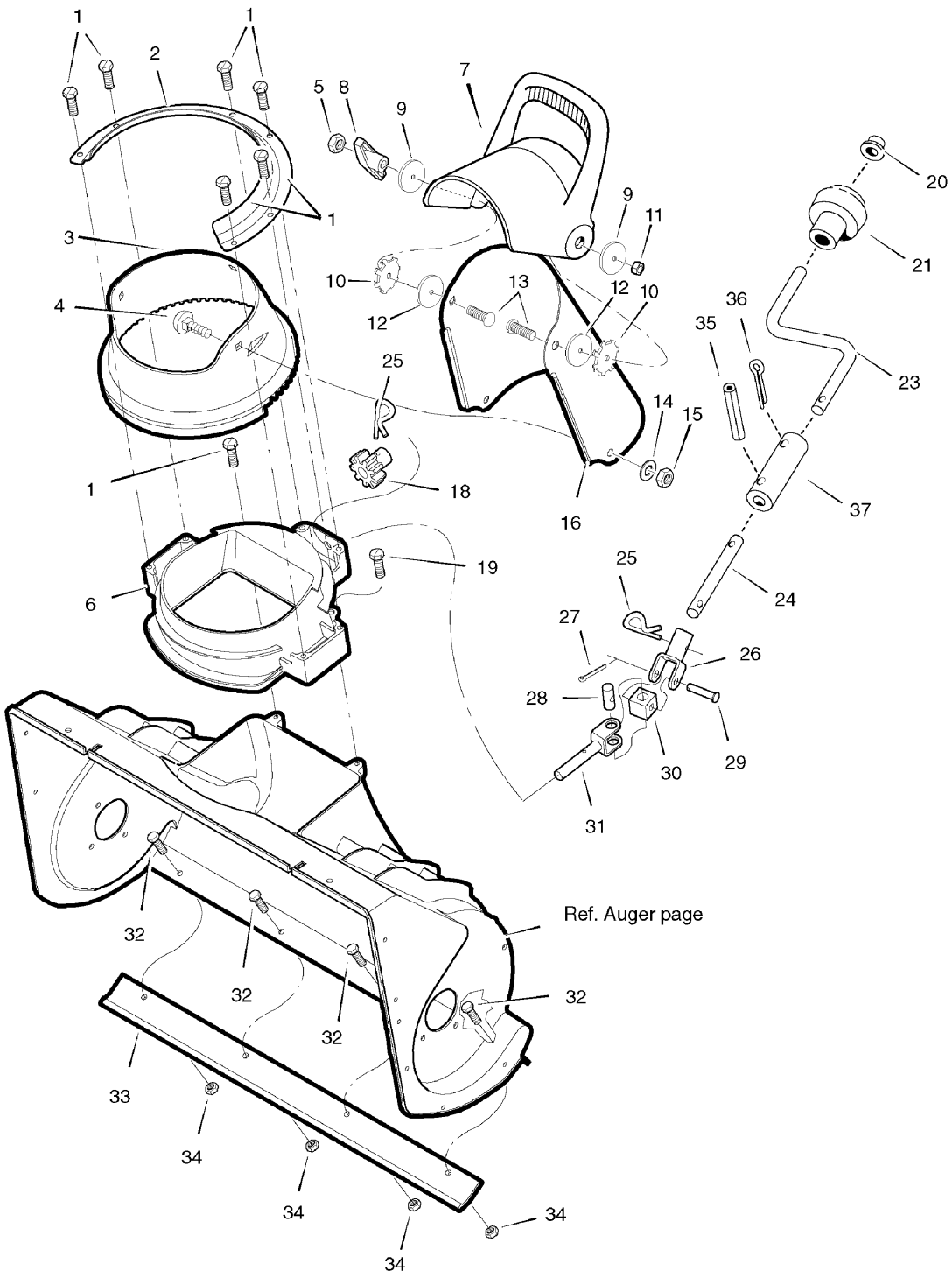
Chute System Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

0013



The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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Chute System Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	313685MA		SCREW 1/4-14
2	1502131MA		RETAINER, Chute Ring
3	1740060MA		RING, Chute
4	340720MA		BOLT, Carriage 5/16-18 x .75
5	71037MA		NUT 5/16-18 Reghex
6	1501848MA		NECK, Chute
7	1716631MA		CHUTE, 22" Upper
8	57171MA		T-KNOB, 3.00 Plastic
9	1920283MA		WASHER, Flat 1 - 1/2 O.D
10	1716642MA		LOCKWASHER, Shakeproof
11	71391MA		LOCKNUT, Hex 5/16-18
12	1716624MA		WASHER, Rubber 1-1/2 O.D
13	1740384MA		BOLT, Upper Chute
14	71072MA		WASHER, Flat 13/32 x 13/16
15	71038MA		NUT, 5/16-18 Hex, Nylock
16	1716612MA		CHUTE, Lower
18	1501067MA		GEAR, 9-Tooth
19	313685MA		SCREW, 1/4-14 x 3/4
20	711627MA		NUT, Push
21	1714084MA		KNOB, Crank
23	1733369MA		CRANK, Chute Rotation
24	1720576MA		HANDLE, Chute Rotator Lower
25	1501293MA		PIN, Hair
26	1501075YZMA		YOKE ASSEMBLY, Adapter
27	579493MA		PIN, Cotter
28	578060MA		PIN, Universal Joint
29	578309MA		PIN, Clevis
30	578063MA		HOUSING, Universal
31	1501873MA		ROD, Lower Crank
32	302628MA		SCREW 1/4-20 x 3/4
33	1501863MA		BLADE, Scraper
34	15X143MA		LOCKNUT, Hex 1/4-20
35	1740347MA		PIN, Spring 5/32 x 1.00
36	1740346MA		CLIP, Hairpin 3/32 x 1.625 Black
37	1720577MA		CHUTE HANDLES, Splice

Footnotes

The above parts group applies to the following Mfg. Nos.:
1695090 - 5022E
1695091 - 5022EX

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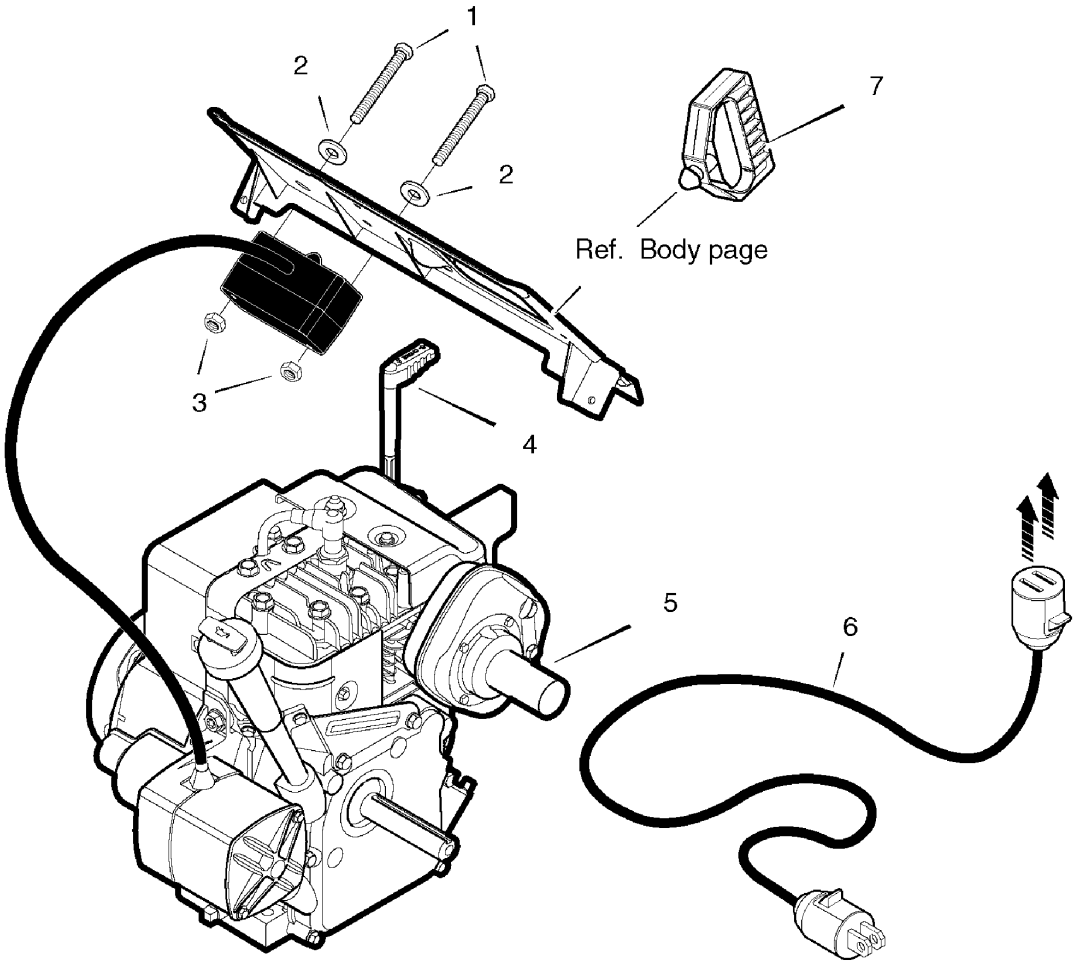
NOTE: Unless noted otherwise, use the standard hardware torque specification chart.

0009



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1695090 - 5022E
1695091 - 5022EX

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Electric Starter Group

REF NO	PART NO.	QTY.	DESCRIPTION
1	311633MA		SCREW, No. 8-32 x 3.00
2	414106MA		WASHER, FLAT No. 8
3	271163MA		NUT, Keps No. 8
4	1502179MA		* LEVER, Choke
5	699565		Kit, Muffler Assembly
5-1	1502002MA		* MUFFLER
5-2	1502003MA		* GASKET, Muffler
5-3	1502004MA		* BOLT, Muffler
5-4	71060MA		WASHER, Split Lock
5-5	71037MA		NUT, Hex 5/16-18
5-6	1X81MA		BOLT, Hex 5/16-18
6	6219MA		CORD, Electric 110V
6	761332MA		CORD, Electric 220V
7	1502022MA		GRIP, Mitten

Footnotes

Note * For information on Replacement Parts contact the engine manufacturer.

The above parts group applies to the following Mfg. Nos.:

1695090 - 5022E
1695091 - 5022EX

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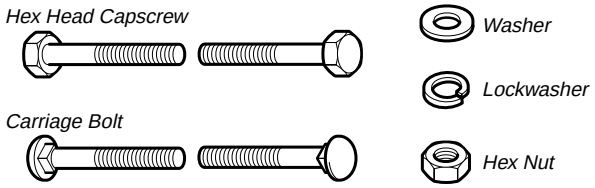
Hardware Identification & Torque Specifications

Common Hardware Types

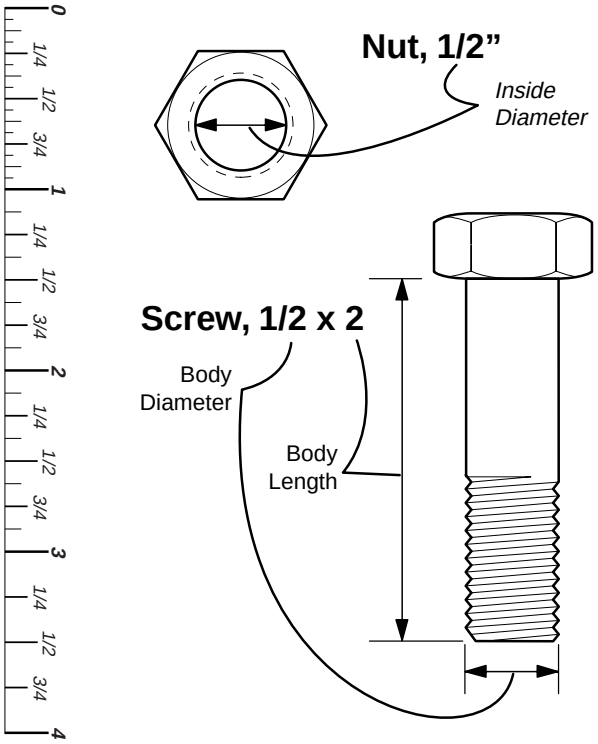


Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represent the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



Torque Specification Chart

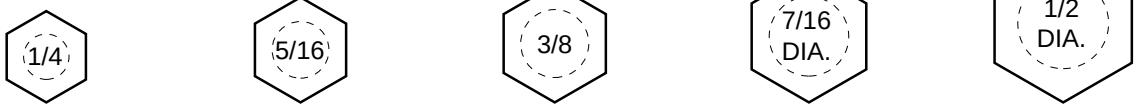
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	*in/lbs* **ft/lbs**	Nm.	*in/lbs* **ft/lbs**	Nm.	**in/lbs** **ft/lbs**	Nm.
8-32	*19*	2.1	*30*	3.4	*41*	4.6
8-36	*20*	2.3	*31*	3.5	*43*	4.9
10-24	*27*	3.1	*43*	4.9	*60*	6.8
10-32	*31*	3.5	*49*	5.5	*68*	7.7
1/4-20	*66*	7.6	**8**	10.9	**12**	16.3
1/4-28	*76*	8.6	**10**	13.6	**14**	19.0
5/16-18	**11**	15.0	**17**	23.1	**25**	34.0
5/16-24	**12**	16.3	**19**	25.8	**27**	34.0
3/8-16	**20**	27.2	**30**	40.8	**45**	61.2
3/8-24	**23**	31.3	**35**	47.6	**50**	68.0
7/16-14	**30**	40.8	**50**	68.0	**70**	95.2
7/16-20	**35**	47.6	**55**	74.8	**80**	108.8
1/2-13	**50**	68.0	**75**	102.0	**110**	149.6
1/2-20	**55**	74.8	**90**	122.4	**120**	163.2
9/16-12	**65**	88.4	**110**	149.6	**150**	204.0
9/16-18	**75**	102.0	**120**	163.2	**170**	231.2
5/8-11	**90**	122.4	**150**	204.0	**220**	299.2
5/8-18	**100**	136	**180**	244.8	**240**	326.4
3/4-10	**160**	217.6	**260**	353.6	**386**	525.0
3/4-16	**180**	244.8	**300**	408.0	**420**	571.2
7/8-9	**140**	190.4	**400**	544.0	**600**	816.0
7/8-14	**155**	210.8	**440**	598.4	**660**	897.6
1-8	**220**	299.2	**580**	788.8	**900**	1,244.0
1-12	**240**	326.4	**640**	870.4	**1,000**	1,360.0

NOTES

1. These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"

5/16" Bolt or Nut
Wrench—1/2"

3/8" Bolt or Nut
Wrench—9/16"

7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"

1/2" Bolt or Nut
Wrench—3/4"

Simplicity®

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